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### Anticounterfeiting method and device utilizing holograms and pseudorandom dot patterns

SP McGrew - US Patent 5,396,559, 1995 - Google Patents

... it is preferable to use a pseu- TV screen or other programmable spatial **filter** if the ... use as a pseu-  
**generate** a pseudorandom number sequence from the dorandom number **generator** is  $F(x \dots)$  both  
 ^mission by the method taught herein, so that the **image** projection and dot-**encoding**. ...

[Cited by 191](#) - [Related articles](#) - [All 2 versions](#)

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### A digital watermark

RG van Schyndel, AZ Tirkel... - **Image** Processing, 1994. ..., 1994 - [ieeexplore.ieee.org](#)

... The authors are investigating LMS adaptive **filter** extraction algorithms to determine an optimum  
 technique with minimal **image** ... express their gratitude to Mr. GARankin for his assistance in  
 developing a program to **generate** and analyse ... **IMAGE DATA ( 8 BITS) ENCODED IMAGE** ...

[Cited by 736](#) - [Related articles](#) - [All 8 versions](#)[\[PDF\] from psu.edu](#)

### Random phase encoding of composite fully complex filters

LG Hassebrook, ME Lhamon, RC Daley... - Optics ..., 1996 - [opticsinfobase.org](#)

... To demonstrate the performance that results from different encodings we tested the **filter** banks  
 against degraded imagery. ... times, each time with a change of only the **random** seed for the scene  
 noise **generator**. ... Therefore phase-only **encoding** could, by chance, have lower MPE. ...

[Cited by 13](#) - [Related articles](#) - [BL Direct](#) - [All 11 versions](#)[\[PDF\] from louisville.edu](#)

### Secure data hiding in wavelet compressed fingerprint images

NK Ratha, JH Connell... - ... of the 2000 ACM workshops on ..., 2000 - [portal.acm.org](#)

... Our approach is motivated by the desire to create on-line fingerprint authentication systems for  
 commercial ... 25 corresponds to the cascading path of '00,10,00,11' through the **filter** bank. ... To hide  
 such a message during the **image encoding** process, there are three basic steps as ...

[Cited by 60](#) - [Related articles](#) - [All 14 versions](#)[\[PDF\] from psu.edu](#)

### Encoding amplitude information onto phase-only filters

JA Davis, DM Cottrell, J Campos, MJ Yzuel... - Applied ..., 1999 - [opticsinfobase.org](#)

... 5d where we have lowered the threshold used to make the in- verse **filter**. ... 9 is modified by the  
**encoding** process. ... Then we create a **distorted** modulation function  $M_u$ , using an appropriate  
 lookup table that com- pensates for the distortion created by the sinc func- tion. ...

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### Image signal encoding with variable low-pass filter

B Astie - US Patent 6,026,190, 2000 - Google Patents

... decoded **image** signals involves upsampling the U and V component signals to **generate** full-sampled ... pixel processor 106 or capture processor 104 may perform the filtering of **filter** 303. Those skilled in the 60 art will further appreciate that additional **encoding** processes may be ...

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HIPS: **Image** processing under UNIX. Software and applications

[\(PDF\) from uci.edu](#)

MS Landy, Y Cohen... - Behavior Research Methods, 1984 - Springer

... **images** or sequences that are generated by computer graphics systems are usually **encoded** as points ... Other programs create photographic negatives (neg), perform thresholding (thresh), and apply linear and second ... The new **filter** is compiled and then applied to calcpix's input. ...

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Transparent embedment of data in a video signal

SE Zink... - US Patent 6,246,439, 2001 - Google Patents

... as bits **encoded** with an FEC channel code, as discussed previously, matched **filter** 108 output ... a correlation mixer 116 for each of the patterns produced by the pattern **generator** 106 so ... 30 Thus the present invention provides for transparently **encoding** data into a video **image** by ...

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**Image encoding** by vector quantization of regions of an **image** and codebook updates

JO Normile... - US Patent 5,822,465, 1998 - Google Patents

... Conversely, compressed **images** 102 may be applied to a decoder 131, as shown in FIG. U, in order to **generate** decompressed **images** 132. ... Decoder 131 requires the use of the same codebook 105 which was used to **encode** the **image**. ...

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Phase coding technique for one-way **image** transmission through an aberrating medium

J Khoury, CL Woods... - US Patent 5,555,128, 1996 - Google Patents

... the **image** receptor SLM, from the phase aberration measurement probe, enabling the probe to be employed to **generate** an interference ... are: 1) the binary phase coded or binary phase only **filter** (BPOF), (7) 3) the amplitude **encoded** binary phase only **filter** (AEB- POF ...

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